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Northwestern Bell Telephone Co.:
With Consolidated Telephone Cooperative, proposes EAS, July 13.
EAS with Souris River Telephone Mutual Aid Corp. approved, Sept. 21.
General raise for company, Nov. 30.
Souris River Telephone Mutual Aid Corp.:
Rates, EAS with Northwestern Bell Telephone Co. granted, Sept. 21.

OHIO:
Commission:
K. B. Johnston appointed to commission, July 20.
Bucyrus Telephone Co.:
Asks to transfer $384,000 from earned surplus to common capital stock, Sept. 14.
Champaign Telephone Co.:
Telpak concurrence with Ohio Bell Telephone approved, Aug. 3.
Chardon Telephone Co.:
Tariff revised to include Touch-Tone calling, Dec. 28.
Asks revision for private line, Sept. 28.
Request to add Dunlap exchange granted, Nov. 16.
Cincinnati & Surburban Bell Telephone Co.:
Asks revision for private line, Sept. 28.
Commonwealth Telephone Co.:
Granted rate increase, Oct. 19.
Community Telephone Co.:
Authorized to raise common stock, Aug. 3.
Continental Telephone Co.:
Gets approval for increase, Aug. 24.
Elyria Telephone Co.:
Joint petition with Ohio Bell Telephone Co. on traffic agreement, Sept. 14.
Involved in dual-service dispute with Lorain Telephone Co., Dec. 7.
Fort Jennings Telephone Co.:
Asks rate raise, Sept. 28.
General Telephone Co. of Ohio:
Rate increase approved, July 20.
Request for revised tariffs and to establish EAS approved; also, revised rates for territory formerly served by Layman Farmers Telephone Co.; also, revised rates for area formerly served by Sarahsville Farmers Telephone Co., Sept. 14.
Asks to issue securities, Sept. 28.
Granted revised tariff for EAS with Bell, Dec. 28.
Geneva Telephone Co.:
Independent requests raise for 6.20 per cent return, Nov. 9.
Germantown Independent Telephone Co.:
Asks wide area service rates and Telpak concurrences, Nov. 16.
Hopedale Telephone Co.:
Subscriber request for EAS with Ohio Bell set for hearing, Nov. 16.
Jewell Telephone Co.:
Petitions to sell to Northwestern Telephone Co., Aug. 24.
Granted, Sept. 28.
Kenton Telephone Co.:
Files for rehearing on rate order, Aug. 3.
Rate case reheard; amended tariff ordered, Oct. 26.
Lorain Telephone Co.:
Involved in dual-service dispute with Elyria Telephone Co., Dec. 7.
Asks 21 per cent increase, Dec. 14.
Mid-Continent Telephone Corp.:
Files statement with SEC, Nov. 2.
New Knoxville Telephone Co.:
Request to issue $3,500 notes for plant approved, Sept. 14.
Northern Ohio Telephone Co.:
Authorized to issue securities for reimbursement of treasury, Sept. 28.
Asks revision of tariff, Nov. 16.
Granted rates for Touch-Tone, Nov. 16.
Northwestern Telephone Co.:
Request to transfer $555,500 to capital stock approved, Sept. 14.
Ohio Bell Telephone Co.:
Files joint application with Ohio Power Co. to suspend cable standards, Aug. 24.
Gets permission to revise message toll tariff, Sept. 28.
Bell and Central Mobile Radio Phone Service ask interconnection, rates, Oct. 5.
Tariff revision granted, Nov. 16.
Request to revise message toll service tariff granted, Nov. 16.
Ohio Central Telephone Co. customer asks

to be served by Bell rather than Ohio Central; latter given more time by commission, Nov. 16; dismissed, Dec. 28.
Ohio Central Telephone Co.:
Gets more time on customer request to be served by Ohio Bell, Nov. 16.
Prairie Grove Telephone Co.:
Police arrest pay telephone robbery suspect, Oct. 12.
United Telephone Co.:
Asks rate raise, revisions, Sept. 14.
Van Wert Home Telephone Co.:
Raise under advisement, Nov. 30.
Warren Telephone Co.:
Petitions for $659,776 increase, Aug. 10.
Joint petition with Ohio Bell Telephone Co. for traffic agreement okayed, Sept. 14.
Issue and sale of bonds granted Sept. 28.
Western Reserve Telephone Co.:
Request for revised rates for Akron denied, Oct. 5.
Application to withdraw five-party and multi-party services at Twinsburg exchange granted, Nov. 16.

OKLAHOMA:
General Telephone Co. of the Southwest:
Gets Oklahoma raise, Aug. 31.
Gets $184,000 raise, Nov. 16.
Oklahoma City appeals increase, Dec. 7.
The Jet Rural Telephone Co.:
Asks ruling on operating area, Sept. 7.

OREGON:
Depoe Bay Telephone Co.:
EAS with Lincoln-Tillamook Telephone Co. approved, July 13.
Eastern Oregon Telephone Co.:
Commissioner orders exclusive area for company, July 6.
Lincoln-Tillamook Telephone Co.:
EAS with Depoe Bay Telephone Co. authorized, July 13.
Oregon-Washington Telephone Co.:
Drops rate request, Sept. 7.
Pacific Northwest Bell Telephone Co.:
Establishment of EAS with West Coast Telephone Co., approved Oct. 19.
Oregon commissioner okays $50 million issue for Bell, Nov. 2.
West Coast Telephone Co.:
Establishment of EAS with Bell approved, Oct. 19.
Proposes rate base, Oct. 26.

PENNSYLVANIA:
Bell Telephone Co. of Pennsylvania:
Asks to drop toll to United area, Nov. 9.
Asks approval of EAS with Murrysville Telephone Co., Nov. 23.
Columbus Telephone Co.:
Asks $4,000 rate reduction, Sept. 28.
Colver Telephone Co.:
Rate cut authorized, Aug. 10.
Commonwealth Telephone Co.:
Seeks extension into Pennsylvania Bell area, Aug. 10.
Asks to make $4,600 rate cut, Aug. 31.
General Waterworks Corp.:
ITC and General Waterworks call off merger talks, July 20.
Kittanning Telephone Co.:
Asks for unlisted number charge, Dec. 14.
Murrysville Telephone Co.:
Asks approval of EAS with Bell, Nov. 23.
South Canaan Telephone Co.:
Asks $14,445 general increase, Sept. 28.
Raise granted, Nov. 23.
United Telephone Co. of Pennsylvania:
Sets up new exchanges serving Pennsylvania areas, July 20.
Drops fee on federally-owned systems, Nov. 16.
York Telephone & Telegraph Co.:
Commission suspends raise, Aug. 10.
Hold final hearing on rate case, Oct. 12.
Rates frozen, pending order, Nov. 9.

SOUTH CAROLINA:
Rock Hill Telephone Co.:
EAS with Southern Bell proposed, Nov. 9.
Southern Bell Telephone & Telegraph Co.:
EAS proposed between Rock Hill Telephone Co. and Bell, Nov. 9.

TENNESSEE:
Commission:
Orders "after 9" rate for intrastate calls, Aug. 24.
Southern Bell Telephone & Telegraph Co.:
Commission studies Memphis area, Aug. 3.
Commission orders rate reduction in 3 months, Aug. 17.
Tennessee Chairman, Memphis talk about SBT&T rebate, Aug. 31.
Southern Bell protests tax levy in Tennessee (See **TAXES**), Sept. 14.

TEXAS:
General Telephone Co. of the Southwest:
Gets Texas raise, Aug. 31.
Texans complain of service, Oct. 12.
Receives franchise from Taylor Lake Village, Oct. 19.
Gets EAS raise, Nov. 2.
Gulf States Telephone Co.:
City and company compromise, Sept. 28.
Nortex Telephone Co.:
Puts rate increase into effect, Oct. 26.
North Plains Telephone Co.:
Rates OK'D; EAS with Bell, Oct. 12.
Southwestern States Telephone Co.:
Gets approval of raise, July 20.
Texas city and company reach rate increase compromise, July 27.
Company granted two raises, Aug. 3.
Gets EAS raise in Texas, Aug. 31.
Gets another Texas raise, Oct. 5.
Gets two Texas increases, Oct. 5.
Southwestern Bell Telephone Co.:
Increase approved, Aug. 31.
Rates clarified for Texas area, Sept. 28.
Houston area council protests Bell toll rate, Nov. 9.
Council approves raise, Nov. 30.

VIRGINIA:
Central Mutual Telephone Co.:
Files stock issue with SEC, Nov. 2.
Home Telephone Co., Inc.:
Asks to extend base rate area, rate adjustment, Aug. 3.
Inter-Mountain Telephone Co. (Tenn.):
Asks Virginia increases, Oct. 12.
Lee Telephone Co.:
Says it's subsidizing North Carolina operation, Dec. 14.

WASHINGTON:
Commission:
Issuing rules governing telephone service (See also **TELEPHONE SERVICE**), July 27.
Revises telephone rules, Aug. 31.
Legislative Council:
Possible regulation of solicitors, Dec. 21.
Farmers Mutual Telephone Co.:
Votes change of name (to Washington Telephone Co.), bylaws, Sept. 28.
Ilwaco Telephone Co.:
Asks raise to finance plant, Sept. 28.
Pacific Northwest Bell registers common stock with SEC, Nov. 16.
To offer $50 million debentures, Dec. 7.

WEST VIRGINIA:
Duncan Telephone Co.:
Rate increase approved, Dec. 28.

WISCONSIN:
Commission:
Consider concession service, Aug. 10.
Hearing on standards, Sept. 14.
Milwaukee certificate must, commission rules, Sept. 28.
Commission to get secretary-executive director, Dec. 21.
Beef River Valley Telephone Co.:
Asks to convert Osseo exchange, Oct. 12.
Competitor's dispute recesses, Nov. 30.
Central State Telephone Co.:
Dial rates approved in purchase of Lindsey Telephone Co., Aug. 31.
General Telephone Co. of Wisconsin:
Hearing on application for rate increase at Allenton on establishment of EAS with Wisconsin Telephone Co.; also for a raise at Springbrook on EAS with North-West Telephone Co., July 27.
Granted EAS rate increase, Aug. 24.
Asks to raise rates at Oakfield, Oct. 12.
Hearing on raise, Nov. 2.
Raise for EAS approved, Nov. 23.
Lodi Telephone Co.:
Approve dial (conversion), plant (construction), July 6.
Midway Telephone Co.:
Asks to instal automatic toll ticketing equipment, Sept. 7.
Monroe Telephone Co.:
Asks to rehabilitate and convert its Cashton exchange to dial service, July 27.
Norwalk Independent Telephone Co.:
Subscribers ask EAS with neighboring exchanges and conversion to dial, Dec. 14.
Prentice Telephone Co.:
Asks to sell to Price County Telephone Co., Dec. 14.
Sullivan Telephone Co.:
Commission okays EAS raise, Aug. 24.
Wisconsin Telephone Co.:
Milwaukee board fails to say who will install system, Oct. 12.

COMMUNICATIONS:
Britain opens 8,700-mile underseas system, Dec. 14.
Exposed cable not scrap, company tells Ohio cable-cutter, Dec. 7.
Guam-Philippine undersea cable link planned, Oct. 12.
Hawaii:
Key link of 8,700-mile cable completed off leeward Oahu, Oct. 26.
Helsinki:
Excavator cuts "Hot Line" cable, (See also **FOREIGN**), Aug. 24.
"Hot Line":
Long projected White House to Kremlin 'Hot Line' declared operational, Sept. 14.
Inaugurate transpacific telephone cable, Dec. 3, Nov. 30.
Nepal:
Communications head visits Wisconsin company, Dec. 14.
Network for NATCO, SHAPE complete Dec. 7.
Pakistan:
Pakistan undersea cable will link Karachi, Chittagong (See also **FOREIGN**), Oct. 19.
Professional diver works to clear flooded telephone cable tunnel (See also **PLANT**), Sept. 7.
Ship-to-shore telephone call covers 1,000 miles distance, Nov. 16.
Tropo-scatter microwave system connects U.S., Canada, Alaska (See also **CANADA**), Sept. 7.
Washington-Moscow cable awarded to ITT subsidiary, Aug. 31.

CONSOLIDATIONS:
AE Sales Corp. merging into Automatic Electric Co., Dec. 21.
Directors approve merger of Continental Telephone Co. and Independent Telephone Corp. Nov. 30.
Central Illinois Telephone Co.:
Merger with Illinois Consolidated Telephone Co. approved, July 20.
Home Telephone & Telegraph Co. of Virginia (Emporia) and Home Telephone Co. (Smithfield) merger anticipated, Aug. 3.
Cream Valley Telephone Co.:
Merges with Universal Telephone, Inc., Aug. 24.

COURTS:
California:
Perini Electronic Corp. asks San Francisco court to declare it is not infringing McGraw-Edison patents, Dec. 14.
CWA sues California General company for $4.5 million, Dec. 21.
Pacific Telephone & Telegraph Co.:
Californian, two years behind, ups court costs to $250, Dec. 28.
Florida:
Florida Telephone Corp.:
Court rules company liable in number change, Aug. 3.
General Telephone Co. of Florida:
Catch Florida credit card violator, Dec. 21.
Southern Bell Telephone & Telegraph Co.:
Deny firm injunction against directory, Aug. 31.
Catch Florida credit card violator, Dec. 21.
Hawaii:
New Yorker caught in Hawaii, Nov. 9.
New Yorker convicted of fraud, Dec. 21.
Illinois:
Betting service loses court fight, Aug. 24.
Mc-Graw-Edison company sues for patent infringment, Nov. 16.
Indiana:
Bell traces calls; woman uses phony card, Nov. 16.
Iowa:
Co-op asks judgment stating building rights, Oct. 12.
Iowa State Telephone Corp., Inc.:
Hotel owner going to court in telephone dispute, Aug. 31.
Kansas:
Southwestern Bell Telephone Co.:
High court reverses lower court, Nov. 23.
Asks a rehearing, Dec. 7.
High court grants Bell time to file rehearing, Dec. 14.
Louisiana:
General Telephone Co. of the Southwest:
Drops rate case appeal, Oct 12.
LaSalle Telephone Co.:
High court reverses lower, okays rates, Nov. 30.
Southern Bell Telephone & Telegraph Co.:
High court upholds lower court decision in case vs. Louisiana Power & Light Co., Sept. 28.
Minnesota:
Milan Telephone Co.:
Stockholders appeal sale, Nov. 23.
Minnesota man sues Bell in telephone number mixup, Aug. 24.
Missouri:
Southwestern Bell Telephone Co.:
Court OK's Bell's refusal of ad with 'free' Aug. 3.
New Jersey:
High court says utilities pay relocation, Nov. 23.
New Mexico:
Suburban Telephone Co.:
Must get certificate to serve area, July 20.
Ruidoso Telephone Co.:
Wins relocation cost appeal, Sept. 7.
New York:
New York Telephone Co.:
Bookie arrested; uses fictitious credit cards, Nov. 30.
North Carolina:
Central Carolina Telephone Co.:
Subscriber asks wiretap damages, Oct. 5.
Western Carolina Telephone Co.:
Lineman gets $11,000 for injuries, Sept. 21.
High court reverses lower court, Nov. 16.
Ohio:
Northwestern Telephone Co.:
Commission upheld by court, Dec. 14.

Tennessee:
Southern Bell Telephone & Telegraph Co.:
Memphis may not share refund, Sept. 28.
Texas:
Court ruling favors utilities in tax dispute (See also **TAXES**), July 13.
Gulf States Telephone Co.:
Asks Athens City Council to be party to rate adjustment suit, Sept. 7.
Case set for hearing, Nov. 23.
Nortex Telephone Co.:
Must restore old rates at Bellevue, Tex., Sept. 28.
Withdraws appeal in rate case, Oct. 19.
Southwestern States Telephone Co.:
Raise temporarily halted, Oct. 26.
Court ruling favors raise, Nov. 23.
Wisconsin:
Sentence coin box tamperer, Dec. 28.
Wyoming:
Mountain States Telephone & Telegraph Co.:
Sues Sweetwater Television Co., July 20.

DATA TRANSMISSION:
Airline uses Data-Phone to help control far-flung organization, Dec. 28.
Association holds data processing seminar, July 20.
Data processing division dedicated at Ottumwa, Ia. (Iowa Technical Education Center), Oct. 5.
Hospital Data-Phone system links departments—office, Oct. 5.

DIRECTORY:
Historic Texas directory carries Judge Bean ad, Sept. 21.

DISSOLUTIONS:
Ohio:
Mt. Ephraim Mutual Telephone Co.:
Ceased; General of Ohio rates applied, Sept. 21.
Sarahsville Farmers Telephone Co.:
Ceased; General of Ohio rates applied, Sept. 21.

ECONOMICS:
A few thoughts on unemployment, by L. N. Martin, (See also **MANAGEMENT**), Aug. 10.
"How to plan economic understanding projects," booklet aimed at increasing economic literacy, Oct. 26.
Meet our new Economics editor (Dr. William C. Bradford), Nov. 2.
Speak up for profits, by William C. Bradford, Nov. 2.

EDITORIALS:
FCC's narrow view on contributions could hurt deserving charities, July 13.
Accidents take a big toll, July 27.
Telephone growth proves rates reasonable, Aug. 3.
Our views on the Florida strike, Aug. 17.

EMPLOYE RELATIONS:
Retirement: Heaven or hell? Part 1, Aug. 17.
Will you be ready financially? Part 2, Aug. 24.
Will you be ready emotionally? Part 3, Aug. 31.
Will you be ready physically? Part 4, Sept. 7.
Will your wife be ready to retire? Part 5, Sept. 14.

EMPLOYE TRAINING:
Learning a new job, by L. N. Martin, Dec. 21.
Southwestern Bell uses films for plant department training (See also **BELL SYSTEM**), Nov. 30.

ETV:
Educators see ETV facilities at Illinois Gen Tel's symposium, Nov. 2.
ETV—an industry's responsibility, by Lynn Kalmbach, (Conv. Report issue), Nov. 23.
General of Illinois Co.—SIU sponsor ETV symposium, Oct. 12.
School television to equal textbook use by 1970, predicts exeutive, Sept. 14.
See **LEGISLATION**, Nebraska, July 27.

FEDERAL COMMUNICATIONS COMMISSION:
Orders investment credit added to earnings immediately, (See also **ACCOUNTING**), Aug. 10.
Gives AT&T okay on microwave system (N.M.) (See also **BELL SYSTEM**), Sept 7.
Has received 128 requests to purchase Satellite Corp. stock, (See also **SPACE SATELLITE COMMUNICATIONS**), Sept. 7.
ITT acuses AT&T of hogging international communications, Nov. 9.
Examiner says Oregon system (Western Telephone System) violated act, Nov. 23.
Bell System files private switched services tariff (See also **BELL SYSTEM**), Dec. 21.
FCC permits ITT Co. to acquire radio companies, Dec. 21.

FINANCING:
Six months financing by utilities totals $2.06 billion, July 27.

FOREIGN:
Austria:
ITT affiliate company opens new plant in Austria, July 13.
Finland:
Helsinki excavator cuts "Hot Line" cable, (See also **COMMUNICATIONS**), Aug. 24.
Greece:
Greek army installs lines for Boy Scout jamboree, Aug. 17.
Pakistan:
Pakistan undersea cable will link Karachi, Chittagong, (See also **COMMUNICATIONS**), Oct. 19.
Puerto Rico:
Puerto Rico Telephone Co.:
Asks raise to permit expansion, July 27.
Company head defends flat-rate service, Sept. 14.
Thailand:
Cable installation in Thailand by Milton Staub (See also **PLANT**), Nov. 16.
Turkey-Iran-Pakistan:
CENTO microwave net 80 per cent complete (See also **MICROWAVE**), July 6.

INCORPORATIONS:
California:
Calaveras Telephone Co.:
Allowed to become corporation, Aug. 17.
Mississippi:
Four exchanges vote to incorporate as one (East Buchanan Telephone Cooperative), Nov. 30.
Washington:
Lopez telephone Co.:
Articles of incorporation filed, Oct. 6.

LEGISLATION:
California:
California congressman offers five-year bill ending tax (See also **TAXES**), Sept. 7.
Delaware:
Delaware salaries bill, Aug. 3.
Massachussetts:
Consumer Coucnil proposal, Aug. 31.
Missouri:
Governor signs party line bill, July 13.
Nebraska:
Passes bill to establish ETV net (See also **ETV**), July 27.
North Carolina:
North Carolina Legislature passes revised utility bill, July 13.
State assistant attorney general urges law on hiring former commissioners (Western Carolina Telephone Co.), Dec. 7.
Ohio:
Enact tax legislation (See also **TAXES**), Dec. 28.
Pennsylvania:
Propose bill for three-member commission, July 27.
Wisconsin:
Bill asks fee for transcripts, Nov. 30.

MANAGEMENT:
Credit union adds controls, accuracy, data with new system, by Charles H. Stewart, Dec. 14.
Development of self-instruction programs for telephone company training, by Dr. H. O. Holt (Conv. Report issue), Nov. 23.
Fundamental considerations for utility managements and regulators, by Richard L. Rosenthal (See also **REGULATION**), Nov. 16.
Government by deception, by Edwin P. Neilan, Nov. 9.
How safe are your business records? by Edward Gannett, Oct. 5.
Management training seminar conducted by V.I.T.A., Nov. 2.
Who profits from risk? by Frederick R. Kappel, July 20.
B. C. Telephone Co. adopts Do-It-Yourself record plan (See also **CANADA**), Aug. 3.
A few thoughts on unemployment, by L. N. Martin, (See also **ECONOMICS**), Aug 10.
Management needs professionalism, by P. H. Henson, Aug. 17.
Billing for person-to-person, collect and special service calling, by J. G. Bonnar, Sept. 28.
"Playing percentages" streamlines billing at West Coast company, by Ross W. Anderson (See also **ACCOUNTING**), Oct. 26.
Right-of-way administration, by Frank H. Worssam (Conv. Report issue), Nov. 23.
'Sharing the professor' by telephone, by Dr. Milo Bail (See also **TELEPHONE SERVICE**), Dec. 21.
Updating our engineers, by Ross H. Herrick (See also **PLANT**—Conv. Report issue), Nov. 23.

MICROWAVE:
Batteries provide power for solid-state microwave loop, by S. M. Chalmers (See also **PLANT**), Aug. 3.
CENTO microwave net 80 per cent complete (See also **FOREIGN**), July 6.
FCC gives AT&T okay on microwave system (See also **FCC** and **BELL SYSTEM**), Sept. 7.
Government microwave system new challenge to telephone system, by James H. Miller, Oct. 12.
Uranium City linked to outside world by telephone—finally, by J. E. H. Donovan, (See also **CANADA**), July 13.

PIONEERS:
Chicagoland Pioneer chapter, Dec. 7.
Empire State Chapter charter presented at meeting of New York Telephone Association (pic), July 13.
Independent Pioneer again sets membership record, Dec. 7.
Independent Pioneers plan meeting, luncheon, Oct. 19.
Meeting of Pennsylvania western area, July 27.
Group attending summer meeting (pic), Oct. 19.

PLANT:
Application of carrier telephone system to open-wire lines, Part 5 (conclusion), by Tate B. Collins Jr., July 6.
Batteries provide power for solid-state microwave loop (See also **MICROWAVE**), by S. M. Chalmers, Aug. 3.
Building blocks of modern switching, The, by Gordon F. Orelli (Conv. Report issue) Nov. 23.
Cable installation in Thailand by Milton Staub (See also **FOREIGN**), Nov. 16.
Dedicated plant, by B. E. McNee (Conv. Report issue), Nov. 23.
Determination of wire center by grid system method, by George W. Foreman, Dec. 7.
Easement planning for utilities services, by W. V. Law, Aug. 17.
Electronic automatic exchange being installed at Portage, Ind., by William J. Phillips, Oct. 26.
Helpful Literature, July 13; Aug. 17; Nov. 2; Dec. 14.
Illinois Bell takes tip from house movers to lower conduit, (See also **BELL SYSTEM**), Aug. 10.
Illinois Commission rules on protecting underground plant (See **REGULATION**-Illinois), by W. V. Law, Sept. 21.
Mankato moves 7,700-line office without service break, Nov. 9.
Midwest Independents' 1964 investment $130 million (See also **USITA**), Nov. 9.
Missouri group sponsors school on locating faults, Nov. 2.
New approach to no-break power, by James L. Weeks, Oct. 26.
New Products, July 6; July 20; Aug. 3; Aug. 17; Aug. 24; Sept. 21; Oct. 12; Oct. 19; Oct. 26; Nov. 9; Nov. 16; Nov. 23; Nov. 30; Dec. 14.
Plant Man's Notebook, The, each issue, July through December, by Ray Blain.
Plant Man's Quiz, by Ray Blain, July 6; July 13; July 20; July 27; Aug. 10; Aug. 17; Sept. 7; Sept. 21; Sept. 28; Oct. 5, 12 and 19; Oct. 26; Nov. 9; Nov. 16; Nov. 30; Dec. 14.
Prewiring—time and labor saver, by Ray Blain, Oct. 5.
Professional diver works to clear flooded telephone cable tunnel (See also **COMMUNICATIONS**), Sept. 7.
Protection of communication circuits and subcriber stations, by Alfred J. Hanapel, Sept. 21.
Remote meter readings taken over normal circuits, Aug. 31.
Reveal continuous casting-rolling copper rod process (Western Electric Co. and Southwire Co. of Carrollton, Ga.), Nov. 23.
Survival planning-plant department, by J. D. Ward (Conv. Report issue), Nov. 23.
Telephone Services, Inc. installs electronic PBX's, Sept. 7.
Telephony's Electronics Section, by John Potter Shields, July 27; Aug. 31; Sept. 28; Oct. 26; Nov. 30; Dec. 28.
Telephony's New Communications Developments, (Annual Review,) by Ray Blain, Part 1, July 27; Part 2, Aug. 3; Part 3, Aug. 10; Part 4, Aug. 17; Part 5, Aug. 24; Part 6, Aug. 31; Part 7, Sept. 7; Part 8, Sept. 14; Part 9, Sept. 21; Part 10, Sept. 28; Part 11, Oct. 5.
Transmission's triple threat, by John D. Cooper, (Conv. Report issue), Nov. 23.
Truth about retention, The, by M. S. Hudson, Sept. 2.
United Airlines installs new data system (Illinois Bell Telephone Co.), July 20.
Unusual telephone installation saves state space, equipment, Oct. 5.
Updating our engineers by Ross H. Herrick (See also **MANAGEMENT**—Conv. Report issue), Nov. 23.
Use of plastic conduit results in 50 per cent labor savings, by Charles B. Evans, July 13.

PUBLIC RELATIONS:
How to approach your congressman, by

Frank N. Ikard, Nov. 9.
New Jersey Bell Telephone Co.:
Telephone manners course set for New Jersey city (See also **BELL SYSTEM**), Sept. 7.
On the other end of the line, a public relations program, by Major Ford Dawson, Nov. 2.
Southern Bell Telephone & Telegraph Co.:
Employes tell Southern Bell's story, by Irma R. Cruse (See also **BELL SYSTEM**), Sept. 28.
Telephone company shares pride in Telephone (Texas) award (See also **TELEPHONE SERVICE**), Oct. 19.
Western Utilities System:
Sets employe merit awards, Sept. 28.

RATES:
Agriculture department says farm telephone rates up, Dec. 28.
Current problems in pricing telephone services to meet competition, by H. J. Trienens (See also **TELEPHONE SERVICES**), Sept. 14.
(See also **EDITORIAL** Telephone growth proves rates reasonable Aug. 3)
Montana Consumers Association organizes for public on rate matters, Aug. 3.

REGULATION:
Constant surveillance: a modern regulatory tool, by Francis X. Welch, Aug. 31.
Drop that verb, commissioner, by Francis X. Welch, Aug. 24.
Federal regulation of communications, by Rosel M. Hyde (Conv. Report issue), Nov. 23.
Free enterprise and utility accounting regulations, by James W. Karber (Conv. Report issue), Nov. 23.
Fundamental considerations for utility managements and regulators by Richard L. Rosenthal (See also **MANAGEMENT**), Nov. 16.
ICC's Karber reports tax effect on public utilities (See also **TAXES**), Nov. 2.
Telephony regulation from the viewpoint of a state regulator, by Hon. Ben T. Wiggins, Nov. 23.
Georgia:
State studies revision of regulatory commission, Oct. 5.
Illinois:
Rules on protecting underground plant, by W. V. Law, (See also **PLANT**), Sept. 21.
Iowa:
Steinmetz is superintendent of Iowa Regulatory Dept., Iowa Commerce Commission, July 20.
Ohio:
Ohio council recommends regulatory changes, Nov. 16.
Pennsylvania:
Propose body regulate TV cable charges (See also TV), Nov. 9.
Wisconsin:
Wisconsin governor asks study of utility needs, Nov. 30.
Your image and the public, by Cyrus J. Colter, July 27.

RURAL ELECTRIFICATION ADMINISTRATION:
(See also L. J. Hogan in AUTHORS INDEX and COMMISSION CASES and RULINGS.)
REA role in the development of the Independent industry by Norman M. Clapp (Conv. Report issue), Nov. 23.
REA telephone loans pass billion-dollar mark in '63, Nov. 16.
Report of the REA Borrowers Committee, by W. G. Winters (See also **USITA**—Conv. Report issue), Nov. 23.
Gray-Haddock Telephone Corp., Gray, Ga.; Winnebago Cooperative Telephone Association, Thompson, Ia.; Armstrong Telephone Co., Rising Sun, Md.; Randolph Telephone Membership Corp., Asheboro, N.C.; Five Area Telephone Cooperative, Muleshoe, Tex.; South Central Telephone Association, Medicine Lodge, Kan.; Tri-County Telephone Association, Inc., Council Grove, Kan.; Granby Telephone & Telegraph Co., of Massachusetts; Upper Peninsula Telephone Co., Wallace, Mich.; Hughes Telephone Co., Bailey, Miss.; Madison (Mo.) Telephone Co.; Greenfield (Mo.) Telephone Co.; Nevada Telephone & Telegraph Co., Tonopah; Fort Bend Telephone Co., Rosenberg, Tex., July 6.
West Kentucky Rural Telephone Cooperative Corp., Mayfield; Minnesota Valley Telephone Co., Franklin; Dell Telephone Cooperative, Dell City, Tex.; San Miguel Telephone Co. of California; Home Telephone Co., Humble, Tex.; South Central Utah Telephone Association, Escalante; White River Telephone Co., Elkins, Ark.; Progressive Rural Telephone Cooperative, Rentz, Ga.; Southeast Iowa Telephone Co., New London; Swan Lake Telephone Co., Mendon, Mo.; Western Dial, Inc., El Dorado Springs, Mo.; Ritchie Telephone Co., Harrisville, W. Va., July 13.
Parker (Ariz.,) Valley Telephone Co; Allied Telephone Co., Little Rock, Ark.; Tri-County Telephone Co., Everton, Ark.; Calaveras Telephone Co., Felix, Cal.; Eastern Slope Rural Telephone Association, Limon, Colo.; Northwest Telephone Cooperative Association, Havelock, Ia.; Kansas Telephone Co., Ottawa; Craw-Kan Telephone Cooperative Association, Girard, Kan.; West Central Telephone Association, Sebeka, Minn.; Paul Bunyan Rural Telephone Cooperative, Bemidji, Minn.; Sacred Heart (Minn.) Telephone Co.; Minnesota Central Telephone Co., Hector; Northland Consolidated Telephones, Inc., Meadowlands, Minn.; Franklin Telephone Co., Meadville, Miss.; The Stoutland (Mo.) Telephone Co.; Range Telephone Cooperative, Forsyth, Mont.; Chickasaw Telephone Co., Ardmore, Okla.; Salina-Spavinaw Telephone Co., Pryor, Okla.; Central Virginia Telephone Corp., Amherst; The Mondovi (Wis.) Telephone Co., July 20.
Western Dial, Inc., El Dorado Springs, Mo.; Brazoria (Tex.) Telephone Co.; Four States Telephone Co., Brownwood, Tex., Oct. 19.
Gem State Utilities Corp., Grand View, Ida.; Wamego (Kan.) Telephone Co.; Colver (Pa.) Telephone Co.; Iowa Western Telephone Co., New London, Nov. 9.
Valley Telephone Cooperative, Pearce, Ariz.; Wabash Telephone Cooperative, Louisville, Ill.; Randolph Telephone Co., Liberty, N.C.; Estacada (Ore.) Telephone & Telegraph Co.; Tri-County Telephone Co., Bonifay, Fla.; Planters Rural Telephone Cooperative, Newington, Ga.; Dixie Telephone Co., Claxton, Ga.; Old Town Telephone System, Winston-Salem, N.C.; Oklahoma Automatic Telephone Co., McAlester; Ponderosa Telephone Co., O'Neals, Calif.; Gervais (Ore.) Telephone Co., Nov. 30.
Mountain Rural Telephone Cooperative Corp., West Liberty, Ky.; Dunnell (Minn.) Telephone Co., Inc.; Triangle Telephone Co., Dixon, Mo.; Lindrith Telephone Co., Cuba, N.M.; Palo Pinto (Tex.) Telephone Co.; Norway Rural Telephone Co., Kanawha, Ia.; Waco Telephone Co., Asbury, Mo.; Grand River Mutual Telephone Corp., Princeton, Mo.; Moroni (Utah) Telephone Co., Inc., Dec. 7.
Sikes Telephone Co., Glennville, Ga.; Doniphan (Mo.). Telephone Co., Dec. 14.

SAFETY:
Automatic Electric Co. receives safety award, July 13.
Safety Council will hold Congress in Chicago, Oct. 28, July 20.
Swimming safety tips (box), July 20.
Telephone Utilities presents safe driving awards, Nov. 2.

SALES AND PURCHASES:
Altec Lansing Corp. acquires Gonset, Inc., Sept. 21.
Lorain Products Corp. acquires Parametrics, Oct. 26.
Rohn Mfg. Co. gets interest in Vulcan-TV Mast & Tower Co., Inc., Dec. 7.
Singer Co. Metrics Division announces agreement to purchase Empire Devices, Inc., Aug. 17.
California:
Dos Palos Telephone Co., Inc.:
Sells to Continental Telephone, Nov. 16.
Western California Telephone Co.:
Sale to General Telephone & Electronics Corp. reported, Aug. 24.
Illinois:
Burnt Prairie Mutual Telephone Co.:
Sale to General Telephone Co of Illinois approved, Sept. 21.
Crescent Telephone Co.:
Approval to sell to Port Byron Telephone Co. given, Aug. 31.
Massbach Telephone Co.:
Sale to Northwestern Telephone Co. approved, Aug. 31.
Mulberry Telephone Co.:
Sells to Continental Telephone, Nov. 16.
Omaha Telephone Exchange:
Sold to Illini Telephone Co., Nov. 2.
Sailor Springs Telephone Co.:
Sale to County Telephone Co. approved, Nov. 2.
Sigel Mutual Telephone Co.:
ICC gives its sanction to sale to Illinois Consolidated Telephone Co., July 6.
Indiana:
Eastern Indiana Telephone Co.:
Sale to General Telephone & Electronics Corp. approved, July 20; sale made final, Aug. 10.
Farmersburg Telephone Co., Inc.:
Sells stock to Universal Telephone, Inc., Aug. 31.
Gill Township Telephone Co.:
Sells to Universal Telephone, Sept. 28.
Newberry Telephone Corp.:
Authorized to sell to Smithville Telephone Co., Oct. 26.
New Market Telephone Co.:
Directors vote to sell to Indiana Bell Telephone, Aug. 3.
Stewartsville Mutual Telephone Assn.:
Stock acquired by Smithville Telephone Co., Oct. 26.
Louisiana:
La Salle Telephone Co.:
Sale to Central Louisiana Telephone Co. reported, Nov. 2.
Michigan:
Beaver Island Telephone Co.:
Purchase reported by owner of Central Telephone Co., July 27.
Minnesota:
Ann Telephone Co.:
Approve sale to Redwood County Telephone Co., July 6.
Clara City Telephone Exchange Co.:
Request to sell to Citizens Telephone Co. granted, Oct. 26.
Cyrus Mutual Telephone Co. request to sell to Runestone Telephone Association authorized, Oct. 26.
Hines Township Telephone Co.:
Request to sell to Blackduck Telephone Co. approved, Oct. 26.
Lerdal Telephone Co., Inc.:
Authorized to sell to Lake State Telephone Co., Aug. 31.
Milan Mutual Telephone Co.:
Commission okays sale to Gopher State Telephone Co., Aug. 24.
Sells to Continental Telephone, Nov. 16.
Rock Telephone Co., Granite Telephone Co., Johnsonville Telephone Co., Superior Telephone Co., Lucan Telephone Co., and West Line Telephone Co. (all at Lucan) sale to Minnesota Valley Telephone Co. approved, July 20.
Missouri:
De Soto Mutual Telephone Co.:
Southwestern Bell Telephone Co. wins stockholder vote in sale, Nov. 30.
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Sells to Continental Telephone, Nov. 16.
Potosi Telephone Co.:
Sells to Continental Telephone, Nov. 16.
Reeds Spring Telephone Co.:
Sold to Modern Telephone Co., Aug. 17.
Southwest Dial, Inc.:
Acquired by Independent Telephone Corp., Aug. 31.
Nebraska:
Non-Stock Co-operative Telephone Co.:
Authorized to sell to Northeast Nebraska Telephone Co., Nov. 2.
Cuming County Telephone Co.:
Sale to Cornhusker State Telephone Co. gets approval, Nov. 30.
Seneca Telephone Exchange:
Sells to Consolidated Telephone, Nov. 2.
New York:
Candor Telephone Co.:
Commission authorizes stock transfer to Chenango & Unadilla Telephone, Aug. 17.
Ohio:
Jewell Telephone Co.:
Request to sell to Northwestern Telephone Co. granted, Sept. 28.
North Bloomfield Telephone Co.:
Reaches agreement with Orwell Telephone Co. for sale, Aug. 3; Ohio commission approves, Sept. 14.
West Hope Telephone Co.:
Authorized to sell property to Northwestern Telephone Service Co., Nov. 30.
Pennsylvania:
Indian Creek Valley Telephone Co., Inc.:
Sells facilities to Laurel Highlands Telephone Co., Aug. 31.
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United Utilities purchases 45 per cent of Inter-Mountain Telephone Co., Dec. 21.
Texas:
Navasota Telephone Co.:
Sells to Gulf States Telephone, Aug 24.
Quinlan Telephone Co.:
Sold to Transcontinental Telephone & Electronics, Sept. 7.
Washington:
Lopez Telephone Co.:
Sells to Telephone Utilities, Inc., Dec. 14.
Wisconsin:
Boulder Junction Telephone Co.:
Purchased by Universal Telephone, Inc., July 13.
Buffalo Telephone Co.:
Sale to General Telephone Co. of Wisconsin is authorized, Aug. 24.
Lindsey Telephone Co.:
Authorized to sell to Central State Telephone Co., Aug. 31.
Utica Farmers Mutual Telephone Co.:
Sells to coop; plans to modernize, Nov. 30.

SPACE SATELLITE COMMUNICATIONS:
Name four to Satellite Corp., July 6.
Ten more companies ask to buy Satellite Corp. stock, July 6.
"Standby" of Telstar I presented to institute, July 20.
East meets west via Telstar II, July 20.
Eight additional companies apply for satellite stock, Aug. 10.

Fort Dix to track progress of Syncom II orbit, Aug. 10.
Telstar II satellite operating again, Aug. 24.
128 seek to purchase Satellite Corp. stock (See also **FCC**), Sept. 7.
Report SATCOM tests between movable ground terminals, Oct. 12.
Computer-made movies aid satellite research, Oct. 12.
Space communications a new chapter in regulation, by Bernard Strassburg, Oct. 19.
COMSAT stock issue being readied, Oct. 19.
TV medical chats link U.S., Europe via satellites (See also **TV**), Nov. 16.
Eastern Canada plans satellite station (See also **CANADA**), Dec. 14.
Satellites given commercial test by AT&T, U.S. Government, Dec. 14.

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Propose to add $246,000 tax levy on utilities, Nov. 30.
California:
California congressman offers five-year bill ending tax (See also **LEGISLATION**), Sept. 7.
Illinois:
ICC's Karber reports tax effect on public utilities (See also **REGULATION**), Nov. 2.
Indiana:
Tax assessments increased on utilities in Indiana, Aug. 3.
Michigan:
Ask Wayne County tax on Michigan Utilities, Nov. 16.
New Mexico:
General Telephone Co. of the Southwest agreement with New Mexico (See also **COMMISSIONS**—New Mexico), Sept. 28.
North Dakota:
Propose tax increase on co-ops, Nov. 16.
Ohio:
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Southern Bell protests tax levy in Tennessee (See also **COURTS AND COMMISSIONS**), Sept. 14.
Texas:
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Wisconsin:
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California answer services assure public in disaster, Dec. 28.

TELEPHONE SERVICE:
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Convenient telephones make life easier on river boat (Lake Geneva, Wis.), July 20.
Current problems in pricing telephone services to meet competition (See also **RATES**), by H. J. Trienens, Sept. 14.
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Function and application of Data-Phone service, Dec. 21.
Government microwave system new challenge to telephone system, by James H. Miller (See also **MICROWAVE**), Oct. 12.
Independent serves at Pennsylvania mine rescue, by R. T. Kruse, Sept. 14.
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New Michigan Bell service for movers (See also **BELL SYSTEM**), Sept. 7.
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Telephone company shares pride in Telephone (Texas) award (See also **PUBLIC RELATIONS**), Oct. 19.
Issues rules governing telephone service (See **COURTS AND COMMISSIONS** Washington, Commission), July 27.
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World telephone statistics: 1958 and 1962, by Alexander I. Warrington, Part 1, Oct. 19; Part 2, Oct. 26; Part 3, Nov. 2.

TELEVISION:
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Tele-Lecture service aids training conferences (See also **BELL SYSTEM**), Dec. 14.
TV medical chats link U.S., Europe via satellites (See also **SPACE SATELLITE COMMUNICATIONS**), Nov. 16.

TRAFFIC:
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USITA course filled to capacity, July 27.
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Make every minute count at convention time, by Ted Talmage, Oct. 19.
USITA Traffic Committee and AT&T reps talk at O'Hare Inn (pic), Oct. 19.
"Growth and opportunity with Independent telephony," by R. C. Reno, Nov. 23.
1963-64 officers of U.S. Independent Telephone Association, Nov. 23.
Midwest Independents' 1964 (plant) investment $130 million (See also **PLANT**), Nov. 9.
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Report of USITA Engineering Committee, by R. K. Ghormley, Chairman, (Conv. Report issue), Nov. 23.
Report of USITA Plant Committee, by R. M. Crockett (Conv. Report issue), Nov. 23.
Report of USITA Borrowers Committee, W. G. Winters (Conv. Report issue), Nov. 23.
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